

WEST Search History

DATE: Sunday, September 15, 2002

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L21	glume color purple and anther color purple	1	L21
L20	silk color salmon	0	L20
L19	15 and anther color purple	1	L19
L18	15 and glume color purple	0	L18
L17	115 and glume color purple	0	L17
L16	L15 and silk color salmon	0	L16
L15	brace root color purple	6	L15
L14	shoots at flowering adj5 leafy	0	L14
L13	glume ring color adj5 white	0	L13
L12	kernel crown color adj5 light yellow	1	L12
L11	g3601 and (corn or maize)	0	L11
L10	L9 and 17 and 15 and 12	0	L10
L9	L8 and (corn or maize)	21	L9
L8	anther color adj5 purple	30	L8
L7	L6 and (corn or maize)	3	L7
L6	glume color adj purple	3	L6
L5	L4 and (corn or maize)	14	L5
L4	silk color adj5 salmon	14	L4
L3	11 and (corn or maize)	23	L3
L2	L1 (corn or maize)	0	L2
L1	brace root adj5 purple	23	L1

END OF SEARCH HISTORY

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIADB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIADB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS EXPRESS			February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:56:12 ON 15 SEP 2002

=> file agricola biosis
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'AGRICOLA' ENTERED AT 13:56:22 ON 15 SEP 2002

FILE 'BIOSIS' ENTERED AT 13:56:22 ON 15 SEP 2002
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=> s brace root color (10w) purple
L1 0 BRACE ROOT COLOR (10W) PURPLE

=> s silk color (10w) salmon
L2 0 SILK COLOR (10W) SALMON

=> s glume color (10w) purple
L3 0 GLUME COLOR (10W) PURPLE

=> s cob color (10w) white
L4 1 COB COLOR (10W) WHITE

=> d ti

L4 ANSWER 1 OF 1 AGRICOLA
TI Inheritance of popping volume and associated characters in crosses between
popcorn and dent corn.

=> d so

L4 ANSWER 1 OF 1 AGRICOLA
SO Agronomy journal, May 1949. Vol. 41, No. 5. p. 207-212
Publisher: Madison, Wis. : American Society of Agronomy, [1949-
CODEN: AGJOAT; ISSN: 0002-1962

=> d ab

L4 ANSWER 1 OF 1 AGRICOLA
AB The primary purpose of this study was to transmit by backcrossing lodging
resistance of dent corn to popcorn. The segregating populations from a
series of these crosses were used to study popping volume and kernel
starchiness. From the analysis of the data obtained in this study, the
following summary and conclusions are made: 1. Low popping volume was
partially dominant over high popping volume in crosses between inbred
lines of dent and popcorn. 2. It was necessary to backcross twice to the
recurrent popcorn parent to recover popping volume equal to that of the
popcorn parent. A small portion of the BC1 generation exhibited popping
volumes almost as high as those of the popcorn parent. These data suggest
that popping volume is sufficiently simple in its mode of inheritance to
permit recovery of desired genotypes in backcrosses using dent corn as the
nonrecurrent parent. 3. Some inbred lines of popcorn were superior to
others in transmitting popping volume and popcorn type ears to their
progeny. 4. Ear size in the BC2 generation was increased to almost twice
the average size of the inbred popcorn parent. 5. The dent characteristics
of the ears (prevalence of soft starch and indentation of the kernel) were
partially dominant over the flinty character of popcorn. Selection of ears
with flinty type kernels was effective in reducing starchiness in
backcross populations to popcorn parent. 6. There was evidence of
relationship between popping volume and the kernel starchiness as shown by
significant correlation coefficients in the backcross to the recurrent

popcorn parent. 7. A higher proportion of ears with white cobs was found in the flinty types and a higher proportion with red cobs occurred in the denty types, suggesting an association of starchiness with **cob color**. 8. **White** cob ears with the same degree of kernel starchiness as those with red cobs tended to have higher popping volumes. These data indicate a three-fold relationship between cob color, starchiness, and popping volume and suggest that some genes for popping volume may be on chromosome 1.

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=> s anther color (10W) purple
L5          3 ANOTHER COLOR (10W) PURPLE

=> s l5 and (corn or maize)
L6          0 L5 AND (CORN OR MAIZE)

=> s glume ring color (10w) white
L7          0 GLUME RING COLOR (10W) WHITE

=> s g3601 and (corn or maize)
L8          0 G3601 AND (CORN OR MAIZE)
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